

AMENDMENTS TO THE CLAIMS

A listing of all claims and their current status in accordance with 37 C.F.R. §

1.121(c) is provided below:

1-71. (canceled)

72. (currently amended) A method for measuring blood oxygen saturation comprising:

emitting light from at least one light source; ~~and~~

detecting a plurality of light spectrums from the light with at least one detector subsequent to the light being scattered by tissue, the plurality of light spectrums including a first light spectrum having a wavelength between 725 and 745 nanometers and a second light spectrum having a wavelength between 880 and 940 nanometers; and

calculating a blood oxygen saturation reading based on the plurality of detected light spectrums.

73. (withdrawn) The method of claim 72, wherein the plurality of light spectrums includes a third light spectrum having a wavelength of approximately 660 nanometers.

74. (withdrawn) The method of claim 73, comprising:

detecting the first light spectrum via a first light filter;

detecting the second light spectrum via a second light filter; and

detecting the third light spectrum via a third light filter.

75. (withdrawn) The method of claim 74, comprising selecting a pair of light spectrums from the first, second and third light spectrums based on an estimated oxygen saturation value for use in determining a calculated oxygen saturation value.

76-83. (canceled)

84. (currently amended) A method for measuring blood oxygen saturation comprising:

emitting a first light, the first light having a wavelength between 725 and 745 nanometers;

emitting a second light, the second light having a wavelength between 880 and 940 nanometers;

detecting the first light with a detector subsequent to the first light being scattered by tissue; and

detecting the second light with the detector subsequent to the second light being scattered by the tissue; and

calculating a blood oxygen saturation reading based on the detected first light and the detected second light.

85. (withdrawn) The method of claim 84, comprising:
emitting a third light having a wavelength of approximately 660 nanometers; and
detecting the third light with the detector subsequent to the third light being
scattered by the tissue.

86. (withdrawn) The method of claim 85, comprising:
emitting the first light from a first light emitting device;
emitting the second light from a second light emitting device; and
emitting the third light from a third light emitting device.

87. (withdrawn) The method of claim 84, comprising selectively energizing a
pair of emitters from first, second and third light emitting devices to emit the first and
second lights based on an estimated oxygen saturation value for use in determining a
calculated oxygen saturation value.

88-95. (canceled)